

Summary of Reclamation Projects for the Upper Animas River (Updated 10/31/2011)

(1) Project Sponsor	(2) Project Site Name	(3) Location	(4) Type of Remediation	(5) Project Timeframe	(6) Funding (incl. in-kind match)	(7) Improvements (actual or anticipated)
Sunnyside Gold Corp.	Mayflower Mill – Tailings Ponds #1, #2 and #3	Mayflower Mill complex near Boulder Creek and Animas River	Re-contour inactive tailings ponds and cap. 625,000 yards of tailings and overburden moved.	Completed 1991-1992	SGC: \$1,755,000	Mined land reclamation –reduce loading of metals and erosion transport of tailings
Sunnyside Gold Corp.	Lake Emma Sunnyside Basin	Sunnyside Basin headwaters of Eureka Creek	Fill mine subsidence, remove 240,000 yards mine waste and re-contour disturbances.	Completed 1991-1993	SGC: \$911,000	Mined land reclamation and reduce loading of metals
Sunnyside Gold Corp.	Eureka Townsite	On banks and In floodplain of Animas River	Remove 112,000 yards of tailings	Completed 1996	SGC: \$843,000	Reduce loading of metals and erosion transport of tailings
Sunnyside Gold Corp.	Boulder Creek Tailings	Flood plain of Boulder Cr. and the Animas River	Remove 5700 yards of tailings	Completed 1997	SGC: \$32,500	Reduce loading of metals and erosion transport of tailings
Sunnyside Gold Corp.	Ransom adit	Eureka townsite above old mill foundation	Bulkhead seal to stop deep mine drainage and reclaim portal	Completed 1997	SGC: \$85,400	Restore hydrologic regime and reduce rate of ore oxidation by placing mine workings under water to reduce metal loading.
Sunnyside Gold Corp.	Gold Prince mine waste and tailings	Headwaters of Placer Gulch	Bulkhead seals to stop deep mine drainage. Consolidate mine waste and tailings (moved 6000 yards) and construct upland diversions	Completed 1996-1997	SGC: \$151,000	Reduce exposure to water to reduce metal loading
Sunnyside Gold Corp.	Pride of the West tailings	Howardsville near confluence of Cunningham Creek with Animas River	Remove 84,000 yards of tailings	Completed 1997	SGC: \$490,500 TUSCO: \$14,000	Reduce metal loading and transport of tailings by erosion
Sunnyside Gold Corp.	Sunnyside Mine	Sunnyside Mine Lake Emma Area	Inject 652 tons of hydrated lime into the Sunnyside Mine pool to provide increased alkalinity and improve initial mine pool conditions	Completed 1996-1997	SGC: \$313,000	Improve initial conditions as water table is restored through bulkheading to stop mine drainage

Sunnyside Gold Corp.	Mayflower Upland Hydrological Control	Mayflower Mill and Tailings Pond #1 area near Silverton	Capture and divert three upland drainages that were going sub-surface up-gradient of the mill and TP #1 facilities	Completed 1998-1999	SGC: \$186,000	Minimize potential for contact of runoff with tailings and reduce potential for metal loading
Sunnyside Gold Corp.	TP #4 drainage modification	Drainage ditch between Hwy. 110 and TP #4 near Silverton and Animas R.	Install lined diversion ditch to capture surface runoff and prevent infiltration through tailings material	Completed 1999	SGC: \$72,000	Minimize potential for contact of runoff with tailings and reduce potential for metal loading
Sunnyside Gold Corp.	TP #4 upland groundwater diversion	Up-gradient from Tailings Pond #4 near Silverton	Capture groundwater and divert around tailings impoundment	Completed 1993-1995, 1999	SGC: \$409,000	Minimize potential for contact of groundwater with tailings and reduce potential for metal loading
Sunnyside Gold Corp.	Power Plant Flats	Power Plant Flats, Animas River floodplain	Removal of mill tailings from floodplain	Completed 2003	SGC: \$?	Excavate buried tailings and dispose into Mayflower Tailings Pond #4
Sunnyside Gold Corp.	Reactive Wall	Animas floodplain below MF. Tailings #4	Treat contaminated groundwater before entering Animas River	Fall, 2003	SGC: \$	Reduce metal loading to Animas River
Silver Wing Mining Co	Silver Wing	Animas river, about 1.5 mile above Eureka	Collect AMD, hydrological controls	1995	Silver Wing \$7,000	Remove AMD from dump, reduce metals loading
Silver Wing Mining Co	Silver Wing	Animas River, about 1.5 miles above Eureka	Anoxic Drain, settling pond, bioreactor	1999-2000	NPS 319Funds: \$216,000. St. Severance tax: \$144,000	Reduce metal loading to the Animas River.
San Juan RC & D (ARSG)	Handies Peak Project	Lucky Jack Mine wastes and drainage	Hydrological controls, remove wastes from fen, consolidation, neutralization, revegetation; adit and shaft closures	2004	Ca. \$75,000; match from Co. Mineral Severance	Reduce metal loading and acidity to Upper Animas River; uncover fen and restore
San Juan RC & D (ARSG)	Handies Peak Project	Upper Lucky Jack Mine wastes and drainage	Consolidation, neutralization, & revegetation of waste dump; clean streambed of wastes	2005	Ca. \$13,095; match from Co. Mineral Severance	Reduce metal loading and acidity to Upper Animas River from leaching mine wastes partially residing in stream
San Juan RC & D (ARSG)	Infiltration Control Project	Pride of the West Mine Open Stopes	Combined safety and infiltration closure of 2 large open stopes & 1 raise.	2005	Ca 700,000; Min. Severance; NPS =\$125K; Match=\$84K	Reduced surface water infiltration into mine to reduce metal loading at mine discharge.
Mining Remedial	Sunbank Group	Placer Gulch	Anoxic drain, settling pond, waste consolidation, bulkhead	1995	NPS 319 Funds: \$58,000	Raise pH from draining adit, reduce metal loading from adits and mine

Recovery					MRRC: 38,500	
U.S. BLM	Forest Queen	Animas near Eureka	AMD collection and passive wetland treatment	1998-1999	BLM: \$290,000	Reduce metal loading to Animas River
U.S. BLM	Lackawanna Tailings	Animas near Silverton	Removal of tailings from flood plain to Mayday dump for consolidation and capping.	2000	BLM: \$300,000	Reduce metal loading to Animas River

Total For Each Entity (through 2002 only)

PRIMARY SPONSOR	TYPE OF PROJECT	Primary Fund Source/Amt.	Match Source and Amount	Total Construction Cost
SJRC&D (ARSG)	NPS 319 – Mine wastes	NPS 319 / \$329,635	SGC, St. Severance Tax/ \$219,757	\$549,392
SJRC&E (ARSG)	NPS 319 – Mine Wastes	NPS 319/ \$362,740	St. Severance Tax,, Silver Wing Co. / \$472,500	\$835,240
Forest Service	AML Mine Wastes & mine drainage control	U. S. Forest Service / \$63,384	none	\$63,384
BLM	Mine Wastes	BLM / \$440,800	None	\$440,800
BLM	Mine drainage treatment	BLM / \$290,000	None	\$290,000
Office of Surface Mining	Mine Waste treatment	OSM / \$10,000	none	\$10,000
Other Private Companies	Mine drainage treatment	Owners / \$124,301	None	\$124,301
Other Private Companies	Mine Waste treatment	NPS / \$58,000	\$38,500	\$96,500
Other Private Companies	Mine Waste treatment	NPS / \$226,050	\$150,700	\$376,750
TOTAL FROM ALL ENTITIES (except SGC)	Mine waste and drainage treatments combined	\$1,904,910	\$881,457	\$2,786,367
Sunnyside Gold Corp (SGC)	Mine Waste Treatments	\$10,219,600	none	\$10,219,000
TOTAL WITH <u>ALL</u> ENTITIES	Mine waste and drainage treatments combined	\$12, 124, 510	\$881,457	\$13,005,367